

2019-10-24
2019-5903

GROUP	10	HERBICIDE
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ADVANTAGE Glufosinate-ammonium 150

SN HERBICIDE AND DESICCANT

SOLUTION

**FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND PEACE RIVER
REGION OF BRITISH COLUMBIA ONLY**

WARNING



POISON

COMMERCIAL

WARNING – SKIN and EYE IRRITANT

ACTIVE INGREDIENT: glufosinate ammonium150 g/L

**REGISTRATION NUMBER
33472 PEST CONTROL
PRODUCTS ACT**

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

Advantage Crop Protection Ltd.
601-402 21st Street East
Saskatoon, Saskatchewan
Canada
S7K 0C3

Product Information: 1-888-931-2530

NET CONTENTS: 10, 20, 110, 200 and 1000 L

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Harmful or fatal if absorbed through the skin. Harmful if swallowed. This product may cause eye irritation. **DO NOT** get in eyes, on skin or on clothing. Avoid breathing spray mist. Wash thoroughly after using and before eating, drinking or smoking.

- Wear protective clothing including a long sleeved shirt, long pants, goggles, chemical resistant gloves, and respirator when handling or spraying.
- Wear chemical resistant gloves for cleanup and repair.
- Workers should not enter treated fields within 24 hours of treatment. Workers who must enter fields within this time period should wear long-sleeved shirt, long pants and chemical resistant gloves.
- Avoid spray drift to susceptible plants and **USE ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES.** Keep in original container during storage. Do not contaminate water supply, ponds, lakes, streams and irrigation ditches by direct application, spray drift or when cleaning and rinsing spray equipment or containers.

CAUTION: Do not mix **ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant** with pesticides, fertilizers or any other chemical additives unless recommended on this label.

ENVIRONMENTAL HAZARDS:

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under **DIRECTIONS FOR USE.** Do not contaminate these systems through direct application, disposal of waste or cleaning equipment. Avoid spray drift to susceptible plants and **USE ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES.**

FIRST AID: Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice

TOXICOLOGICAL INFORMATION: Treat symptomatically. Medical personnel should contact CANUTEC collect at 1-613-996-6666 or *666 24 hours a day.

STORAGE: CANNOT be stored below freezing. If stored for one year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizers, plants and foodstuffs. Do not use or store in or around the home. Keep in original container during storage.

DISPOSAL: Recyclable Container Disposal: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the

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tank.

2. Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Container Disposal: Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

Disposal of Unused Spray Solution: If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the area just sprayed, away from water supplies, ditches, and irrigation canals.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.

Transportation of Dangerous Goods Classification: PESTICIDES, LIQUID, TOXIC, N.O.S. (GLUFOSINATE-AMMONIUM), CLASS 6.1, UN2902, P.G. III

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ADVANTAGE
Glufosinate-ammonium 150SN
HERBICIDE AND DESICCANT

SOLUTION

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WARNING



POISON

COMMERCIAL

WARNING – SKIN and EYE IRRITANT

ACTIVE INGREDIENT: glufosinate ammonium..... 150 g/L

REGISTRATION NUMBER 33472 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

Advantage Crop Protection Ltd.
601-402 21st Street East
Saskatoon, Saskatchewan
Canada
S7K 0C3
Contact number: 1-888-931-2530

NET CONTENTS: 10, 20, 110, 200 and 1000 L

GENERAL INFORMATION

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant may be used as a harvest aid (desiccant) in the listed crops. ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant will also desiccate weeds present in the field at application.

Desiccation of crops and weeds will be best when environmental conditions are favourable (warm temperatures, good moisture conditions, high humidity). The speed of action of ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant is influenced by environmental factors. At cool temperatures (below 10°C), poor moisture and low humidity, speed of action may be reduced. Generally, visual symptoms appear 2 to 4 days after application.

When a rate range is given the higher rate should be utilised:

- 1) when crop or weed growth is dense.
- 2) when environmental conditions are cool and dry.

If rainfall occurs within 4 hours of application, effectiveness may be reduced.

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant is a non-selective herbicide. Avoid contact with desirable plants either from direct application or from spray drift as severe damage may occur.

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant works primarily as a contact herbicide. Thorough coverage of the plant tissue to be desiccated or controlled is essential.

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant breaks down rapidly in the soil.

There are no cropping or rotational restrictions after application. Grain and meal from treated crops can be fed to livestock.

DO NOT graze or feed other portions of the treated crop to livestock; there are not sufficient data to support such use.

MIXING INSTRUCTIONS

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant must be applied with properly calibrated clean equipment.

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant is specially formulated to mix readily in water. Prior to adding ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant to the spray tank, ensure that the spray tank is thoroughly clean (see "CLEANING INSTRUCTIONS").

1. Fill tank one-half full of clean water prior to adding ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant.
2. Add the correct amount of ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant.
3. Add the remaining amount of water, begin agitation, and spray out immediately.

NOTE: Ensure that all circuits (pipes, booms, etc.) have the correct ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant /water concentration before application is started.

NOTE: The addition of an anti-foaming agent may reduce foaming, especially when using soft

water.

CLEANING INSTRUCTIONS

Before and after using ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant always complete a thorough cleaning of the spray tank, lines and filter. Spray equipment should be thoroughly rinsed using a strong detergent solution.

HARVEST AID - DESICCATION

GROUND APPLICATION

Apply ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant in a minimum of 110 litres of water per hectare at a pressure of 275 kPa and at a ground speed of 6 to 8 km/h. If check valves are used, apply at 310 kPa. The use of 80° or 110° flat fan nozzles is highly recommended for optimum spray coverage and canopy penetration.

Where crop canopy is dense, or weed growth is heavy, better spray coverage will be achieved with higher spray volumes. Under these conditions, apply 170-220 litres of water per hectare.

- DO NOT USE FLOOD JET NOZZLES, CONTROLLED DROPLET APPLICATION EQUIPMENT OR AIR-ASSISTED SPRAY EQUIPMENT.

- UNIFORM, THOROUGH SPRAY COVERAGE IS IMPORTANT TO ACHIEVE CONSISTENT CROP DESICCATION AND WEED CONTROL.

Application of the spray at a 45° angle forward will result in better spray coverage. Follow directions elsewhere on the label for the correct rate and timing of application.

Leave a 15 metre buffer between the edge of the treated field and adjacent crops or environmentally sensitive areas (for instance: wetlands, sloughs, rivers or other open bodies of water, shelterbelts or wildlife habitat).

DO NOT apply when winds exceed 16 km/h when using open boom sprayers. Do not apply when winds exceed 25 km/h when using hooded sprayers.

AERIAL APPLICATION

EXERCISE EXTREME CAUTION DURING THE AERIAL APPLICATION OF ANY INSECTICIDE, HERBICIDE OR FUNGICIDE. Drift of pesticides is not always visible with the human eye. Small droplets may drift into sensitive areas without obvious signs of danger. **FOLLOW THESE DIRECTIONS PRECISELY!**

When applying ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant by aircraft, uniform spray coverage is essential. Applicators are required to use the correct combination of spray nozzle tips, nozzle placement and spray pressures, which will provide a COARSE droplet size distribution, with a volume mean diameter greater than 350 microns. **DO NOT USE RAINDROP NOZZLES.**

Apply ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant in 33-55 litres of water per hectare. Where crop canopy is dense, or weed growth is heavy, better spray coverage will be achieved with higher spray volumes. Follow directions elsewhere on the label for the correct rate and timing of application.

Aerial drift is increased under certain meteorological conditions. Do not apply ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant by aircraft when the wind speed is greater than 12 km/h.

For the protection of non-target habitats overspray or drift to sensitive habitats should be avoided. Accordingly, the following buffer zone is required. Leave a buffer zone of 30 metres between the edge of the last spray swath and the edge of sensitive habitats including emergent vegetation surrounding wetlands (sloughs, ponds, prairie potholes, lakes, rivers and streams) and adjacent areas consisting of short, long and mixed grass prairie. Do not contaminate these habitats when cleaning and rinsing spray equipment or containers. If a 30 metre buffer zone cannot be maintained by aerial application then apply by ground only. For ground application do not apply within 15 metres of the edge of crops or environmentally sensitive areas.

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant MAY BE USED AS A DESICCANT IN THE FOLLOWING CROPS:

- LENTILS
- POTATOES
- ALFALFA (**Grown for Seed**)

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant will also desiccate weeds present in the field at application (Wild Buckwheat may not be completely desiccated).

LENTILS

DO NOT APPLY TO LENTILS GROWN FOR SEED; THERE ARE NOT SUFFICIENT DATA TO SUPPORT SUCH USE.

Apply ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant at 2-2.7 litres of product per hectare. Apply when the crop is in the 40- 60% pod turn (yellow to brown) stage. Use the higher rate when the crop canopy is dense and/or there are high populations of weeds present at application. DO NOT harvest treated crop within 9 days after application.

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant will provide assist in lentil plant drydown to facilitate straight combining, reducing the risks associated with adverse weather affecting the windrowed crop.

POTATOES

DO NOT APPLY TO POTATOES GROWN FOR SEED STOCK.
DO NOT HARVEST THE TREATED CROP WITHIN 9 DAYS AFTER APPLICATION.

Apply ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant at 3 litres of product per hectare. Apply approximately 14-21 days prior to expected harvest. Desiccation of crops and weeds will be more rapid under warmer and drier conditions.

ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant may be applied to promote uniform drydown of an unevenly maturing crop and will allow for planning of harvest timing. Desiccation of vines and weeds will facilitate mechanical harvesting.

ALFALFA (Grown for Seed)

Apply at 50-75% pod turn (brown) stage. Apply ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant at 2.7 L/ha of product. Do not apply more than once per year.

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- Wear protective clothing including a long sleeved shirt, long pants, goggles, chemical resistant gloves, and respirator when handling or spraying.
- Wear chemical resistant gloves for cleanup and repair.
- Workers should not enter treated fields within 24 hours of treatment. Workers who must enter fields within this time period should wear long-sleeved shirt, long pants and chemical resistant gloves.
- Avoid spray drift to susceptible plants and **USE ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES.** Keep in original container during storage. Do not contaminate water supply, ponds, lakes, streams and irrigation ditches by direct application, spray drift or when cleaning and rinsing spray equipment or containers.

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STORAGE

CANNOT be stored below freezing. If stored for one year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizers, plants and foodstuffs. Do not use or store in or around the home. Keep in original container during storage.

FIRST AID: Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION: Treat symptomatically. Medical personnel should contact CANUTEC collect at 1-613-996-6666 or *666, 24 hours a day.

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Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.

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RESISTANCE MANAGEMENT

For resistance management, ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant is a Group 10 herbicide. Any weed population may contain or develop plants naturally resistant to ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant and other Group 10 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of ADVANTAGE Glufosinate-ammonium 150 SN Herbicide and Desiccant or other Group 10 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance- management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, Advantage Crop Protection Ltd. at 1-888-931-2530.

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FOR MORE INFORMATION CONTACT:

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